

IN THE CLAIMS:

All of the pending claims 1-4 are set forth below. The status of each claim is indicated with one of (original) or (currently amended). Please AMEND claims 1, 3, and 4 in accordance with the following:

1. (currently amended) An optical demultiplexer, comprising:
a dispersion compensator to receive multiplexed light and to disperse the received multiplexed light at a predetermined dispersion value;
a first reflecting and transmitting device, coupled to an end of the dispersion compensator which does not receive the multiplexed light, to reflect light having a specified wavelength and to transmit light having a wavelength other than the specified wavelength so as to demultiplex the wavelength light from the multiplexed light,
wherein the light having the specified wavelength, which is reflected ~~through~~ by the first reflecting and transmitting device ~~such that the light having the specified wavelength and is a part of the multiplexed light,~~ passes through the dispersion compensator ~~a plurality of times~~ again.
2. (original) An optical demultiplexer as recited in claim 1, wherein the first reflecting and transmitting device reflects light having a plurality of specified wavelengths and transmits light having wavelengths other than the plurality of specified wavelengths.
3. (currently amended) An optical demultiplexer device, comprising:
an optical multiplexer circuit including,
a dispersion compensator having one of an input or an output end connected to a transmission line; and
an optical filter provided in the transmission line, connected to another end of the dispersion compensator opposite the one of the input or output end, to reflect light having a specified wavelength and to transmit light having a wavelength other than the specified wavelength so as to demultiplex the wavelength from a multiplex wavelength light, said light having the specified wavelength being reflected ~~through~~ by the optical filter to pass through the dispersion compensator again.
4. (currently amended) An optical demultiplexer device, comprising:
a dispersion compensator unit provided in a transmission line to receive multiplexed light, the dispersion compensator unit having a first and second end; and

a filtering unit coupled to the second end of the dispersion compensator unit to reflect light having a specified wavelength and to transmit light having a wavelength other than the specified wavelength, said light having the specified wavelength being reflected through the filtering unit to pass ~~through~~by the dispersion compensator at least two times so as to demultiplex the wavelength from a multiplex wavelength light again.